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(FILE 'HOME' ENTERED AT 16:33:04 ON 07 FEB 2004)

FILE 'STNGUIDE' ENTERED AT 16:33:17 ON 07 FEB 2004

FILE 'CAPLUS' ENTERED AT 16:46:00 ON 07 FEB 2004

L1 13434 S SAPONIF?/IA  
L2 503286 S (FAT# OR OILS#)  
L3 4194 S ((SODIUM OR POTASSIUM)(2W)BASE#)/IA  
L4 0 S L1(4W)L3  
L5 771 S L1(4W)L2  
L6 0 S L5 AND L3  
L7 367547 S ((SODIUM OR POTASSIUM)(2W)(OXIDE# OR HYDROXIDE# OR  
SULFATE# O  
L8 28 S L5 AND L7  
L9 54656 S SOAP#/IA  
L10 14 S L8 AND L9  
L11 93024 S DISTILLAT?/IA  
L12 1 S L8 AND L11

FILE 'USPATFULL' ENTERED AT 16:52:45 ON 07 FEB 2004

L13 139043 S DISTILLAT?  
L14 52805 S SOAP#  
L15 342127 S ((SODIUM OR POTASSIUM)(2W)(OXIDE# OR HYDROXIDE# OR  
SULFATE# O  
L16 205613 S (FAT# OR OILS#)  
L17 6679 S ((SODIUM OR POTASSIUM)(2W)BASE#)

FILE 'CAPLUS' ENTERED AT 16:53:42 ON 07 FEB 2004

L18 13434 S SAPONIF?/IA

FILE 'USPATFULL' ENTERED AT 16:53:56 ON 07 FEB 2004

=> s separat?;s unsaponif?

L19 2016014 SEPARAT?

L20 1151 UNSAPONIF?

=> s 119(4w)120

L21 48 L19(4W)L20

=> s 121 and 1115

18 LL15  
L22 0 L21 AND LL15

=> s 121 and 115

L23 32 L21 AND L15

=> s 121 and 115 and 113 and 114

L24 23 L21 AND L15 AND L13 AND L14

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*07/15/00*

=> s 554/nc1  
L25 5470 554/NCL

=> s 124 and 125  
L26 8 L24 AND L25

=> d tot ibib abs

L26 ANSWER 1 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2003:253398 USPATFULL  
TITLE: Method of recovering free fatty acids having  
low ester content and high acid value  
INVENTOR(S): Elsasser, A. Fred, Cincinnati, OH, United  
States  
Blewett, C. William, Lakeside Park, KY,  
United States  
PATENT ASSIGNEE(S): Cognis Corporation, Gulph Mills, PA, United  
States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6623604	B1	20030923
APPLICATION INFO.:	US 2000-586917		20000605 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Manoharan, Virginia		
LEGAL REPRESENTATIVE:	Drach, John E.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	747		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Methods of recovering free fatty acids having a low ester  
content from  
alkanol-containing solutions and oil mixtures containing  
tocopherols are  
disclosed which involve atmospheric or vacuum stripping at low  
temperatures. The recovered fatty acids have a high acid  
value, and have  
high commercial value in the production of high quality (high  
acid value) products, e.g., dimerized fatty acids, useful in  
polyamide  
resins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 2 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2003:188739 USPATFULL  
TITLE: Method for extracting unsaponifiable matters  
from

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composition

INVENTOR(S):

vegetable oils using chloro-1-butane,

containing said unsaponifiable matters

Bardet, Sandrine, Nouere, FRANCE

Legrand, Jacques, Neuilly-sur-Eure, FRANCE

Piccirilli, Antoine, Versailles, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003130532	A1	20030710
APPLICATION INFO.:	US 2002-181056	A1	20020712 (10)
	WO 2001-FR54		20010109

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2000-333	20001201
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FOLEY AND LARDNER, SUITE 500, 3000 K STREET NW,	
	WASHINGTON, DC, 20007	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	586	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for extracting usaponifiable matters from a vegetable oil comprising at least a saponification step whereby the oil is transformed into a hydroalcoholic solution, an step for extracting the hydroalcoholic solution with an organic solvent such as chloro-1-butane, preferably the treated vegetable oil is avocado or soya oil.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:174246 USPATFULL

TITLE: Process for separating unsaponifiable valuable products from raw materials

INVENTOR(S): Rohr, Rodolfo, Caminas, BRAZIL

Rohr, Raul, Aliso Viejo, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003120095	A1	20030626
APPLICATION INFO.:	US 2002-79062	A1	20020220 (10)

NUMBER	DATE
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PRIORITY INFORMATION: BR 2001-10106522 20011217  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,

FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1918

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are processes for separating valuable products, including unsaponifiable materials, from any given matrix of raw materials that is mainly composed of saponifiable components and

unsaponifiable components. Preferred methods include converting sodium

or potassium soaps obtained from the saponification of a starting material into metallic soaps which have a lower melting point, and when melted, have viscosity sufficiently

low to enable processing such as by distillation/evaporation processes. Preferred raw materials include animal or vegetable products,

as well as by-products, residues, and waste products from the processing of animal or vegetable products, such as from food processing, cellulose

processing and the like. Valuable products which may be obtained by the

disclosed processes include sterols, vitamins, flavonoids, and tocopherols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:160114 USPATFULL

TITLE: Fractionation process for the unsaponifiable material

derived from black-liquor soaps

INVENTOR(S): Diaz, Miguel Angel Fuenzalida, Santiago, CHILE

Rojas, Alejandro Markovits, Santiago, CHILE

Schersl, Endre Markovits, Quilpue, CHILE

NUMBER	KIND	DATE
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PATENT INFORMATION:

US 2003109729	A1	20030612
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APPLICATION INFO.:

US 2003-337074	A1	20030106 (10)
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RELATED APPLN. INFO.:  
filed on 16

Continuation of Ser. No. US 1999-293282,

Apr 1999, GRANTED, Pat. No. US 6462210

Continuation of

Ser. No. US 2002-266792, filed on 7 oct 2002,

PENDING

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0790629

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: David I. Roche, BAKER & MCKENZIE, 130 E.  
Randolph

Drive, Chicago, IL, 60601

NUMBER OF CLAIMS: 41  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 1322

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a fractionation process of the unsaponifiable material derived from black-liquor soaps of the cellulose industry. Through this procedure fractions that essentially contain free sterols, fatty alcohols, sterol esters and fatty alcohol esters respectively are separated. Fractions containing sterols or fatty alcohols can be used as such in the alimentary, cosmetic and pharmaceutical industries or they can be used as raw materials for transforming into other useful products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2002:24388 USPATFULL  
TITLE: Process for extraction and concentration of liposoluble vitamins and provitamins, growth factors and animal and vegetable hormones from residues and by-products of industrialized animal and vegetable products  
INVENTOR(S): Rohr, Rodolfo, Campinas, BRAZIL  
BRAZIL Trujillo-Quijano, Jose Anibal, Campinas,  
PATENT ASSIGNEE(S): Resitec Industria Quimica LTDA, Duane de Caxias, BRAZIL  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6344573	B1	20020205
APPLICATION INFO.:	US 2000-668370		20000925 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Carr, Deborah D.		
LEGAL REPRESENTATIVE:	Arent, Fox, Kintner, Plotkin & Kahn		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	467		

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the extraction and concentration of unsaponifiable substances, containing liposoluble vitamins and provitamins, growth factors and animal and vegetable hormones, from residues of the industrialization of animal or vegetable products. This process does not require the use of solvents. Its main goal is to obtain the separation of these "valuable products", by means of distillation /evaporation at high vacuum, and the production of fatty acids and other high quality organic acids, once the recovery of the unsaponifiable fraction of residues from the industrialization of animal or vegetable products, is of great commercial interest. This is due to the fact that the "valuable products", have in many cases, vitamin activity, such as: tocopherols, sterols, carotenoids, vitamin A, vitamin K, vitamin D, while other products present cholesterol reducing properties, such as: sterols, tocotrienols, esqualene, etc; or even, anti-oxidant properties like: tocopherols, tocotrienols; as well as anti-carcinogenic properties such as: tocotrienols, sterols, lycopene, and alpha-carotene. Some other products are used as a structure for chemical-synthesis, like for example: sterols for hormone synthesis, vitamin D synthesis; and other products which have nutraceutic properties, apart from the commercial interest in some products, the cosmetic formulas of which present emulsifying properties, emulsion stabilizers and/or viscosity modifiers like for example sterols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 6 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 81:17663 USPATFULL  
TITLE: Treatment of effluent  
INVENTOR(S): Akers, John B., Bebington, England  
Peters, David C., Heswall, England  
PATENT ASSIGNEE(S): Internationale Octrooi Maatschappij "Octropa"  
B.V.,  
Rotterdam, Netherlands (non-U.S. corporation)

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076,060

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4259251		19810331
APPLICATION INFO.:	US 1980-119225		19800207 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1979-5290	19790214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Niebling, John F.	
LEGAL REPRESENTATIVE:	Kramer, Barry	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	362	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the production of fatty acid soaps from sludge, especially sewage sludge, comprises extracting sludge having a solids content of at least 15% by weight with a non-polar solvent to provide an extract containing fatty matter, and subsequently saponifying the fatty matter in the presence of a dipolar aprotic solvent having a dielectric constant of at least 15 to produce fatty acid soaps.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 7 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 79:20384 USPATFULL  
TITLE: Process for the separation of unsaponifiable constituents from tall oil fatty acids  
INVENTOR(S): Koebner, Adolf, The Retreat, St. Bees, Cumbria CA27  
OBY, England

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4151160		19790424
APPLICATION INFO.:	US 1977-854035		19771122 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cockeram, H. S.		
LEGAL REPRESENTATIVE:	Young & Thompson		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	387		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The unsaponifiable constituents and fatty acids contained in tall oil

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are separated by a process in which the fatty acids are converted into low melting soaps which are soluble in the unsaponifiable constituents and such constituents then distilled from a homogeneous medium. Thereafter, the fatty acids can be recovered by distillation after saponification of said low melting soaps.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 8 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 74:42144 USPATFULL  
TITLE: LANOLIN DERIVATIVES ESSENTIALLY COMPRISING  
ESTERS OF  
INVENTOR(S): LANOLIN ALCOHOL WITH LACTIC ACID  
United Kraft, Elise, 2109 Broadway, New York, NY,  
states 10023  
Schlossman, Mitchell L., 20 Lake Shore Dr.,  
Rockway, NJ, United States 07866

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3835169		19740910
APPLICATION INFO.:	US 1971-156023		19710623 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gotts, Lewis		
ASSISTANT EXAMINER:	Rivers, Diana G.		
NUMBER OF CLAIMS:	2		
LINE COUNT:	464		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lanolin derivatives essentially comprising esters of lanolin alcohol with lactic acid and higher fatty acids are provided. The derivatives are prepared by direct reaction of lanolin alcohol with the higher fatty acid.

The lanolin derivatives disclosed are especially adapted for use as essential or advantageous ingredients of various cosmetic compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.